

BEST AVAILABLE COPY



F006634

- 1 -



FIG. 1

PR₁: PRINTER
PR₂: PRINTER
PR_n: PRINTER
100: PRINT CONTROL TERMINAL
220: RELAY STATION
300: USER TERMINAL

FIG. 2

100: PRINT CONTROL TERMINAL
40: INPUT DEVICE
42: STORAGE DEVICE
44: DISPLAY DEVICE

FIG. 3

400: PRINTER REGISTRATION TABLE
402: PRINTER NAME
A: PRINTER PR₁
B: PRINTER PR₂
C: PRINTER PR_n
404: INSTALLATION POSITION
406: CONTROL COMMAND
D: PRINT COMMAND, PRINT SPECIFICATION CHANGE COMMAND, ATTRIBUTE
CONFIRMATION COMMAND, AND ATTRIBUTE CHANGE COMMAND
E: PRINT COMMAND AND ATTRIBUTE CONFIRMATION COMMAND

BEST AVAILABLE COPY

F006634

- 2 -

F: PRINT COMMAND AND PRINT SPECIFICATION CHANGE COMMAND

FIG. 4

S100: IS PRINT REQUEST RECEIVED?

S102: OBTAIN MOBILE TERMINAL POSITION INFORMATION

S104: SEARCH FOR NEAREST PRINTER ON THE BASIS OF MOBILE TERMINAL
POSITION INFORMATION

S105: READ PRINTER POSITION INFORMATION

S106: COMPUTE DISTANCE BETWEEN PRINTER AND MOBILE TERMINAL

S107: IS DISTANCE BETWEEN TERMINALS GREATER THAN OR EQUAL TO
PREDETERMINED VALUE A?

S108: IS DISTANCE BETWEEN TERMINALS GREATER THAN OR EQUAL TO
PREDETERMINED VALUE B?

S110: CREATE LIST FROM WHICH ONE CONTROL COMMAND IS SELECTABLE

S112: TRANSMIT LIST TO MOBILE TERMINAL

S114: IS DISTANCE BETWEEN TERMINALS GREATER THAN OR EQUAL TO
PREDETERMINED VALUE C?

S116: CREATE LIST FROM WHICH TWO CONTROL COMMANDS ARE SELECTABLE

S118: IS DISTANCE BETWEEN TERMINALS GREATER THAN OR EQUAL TO
PREDETERMINED VALUE D?

S120: CREATE LIST FROM WHICH THREE CONTROL COMMANDS ARE SELECTABLE

S122: CREATE LIST FROM WHICH ALL CONTROL COMMANDS ARE SELECTABLE

FIG. 5

S200: IS SELECTION OF PRINT COMMAND RECEIVED?

BEST AVAILABLE COPY

F006634

- 3 -

S202: HAS PRINT DATA ALREADY BEEN RECEIVED?

S206: TRANSMIT PRINT COMMAND AND PRINT DATA TO PRINTER

S208: IS SELECTION OF PRINT SPECIFICATION CHANGE COMMAND RECEIVED?

S210: TRANSMIT TRANSMISSION REQUEST FOR SPECIFICATION DATA TO MOBILE
TERMINAL

S212: IS SPECIFICATION DATA RECEIVED?

S214: TRANSMIT PRINT SPECIFICATION CHANGE COMMAND AND SPECIFICATION
DATA TO PRINTER

S216: IS SELECTION OF ATTRIBUTE CONFIRMATION COMMAND RECEIVED?

S218: TRANSMIT TRANSMISSION REQUEST FOR ATTRIBUTE DATA TO PRINTER

S220: IS ATTRIBUTE DATA RECEIVED?

S222: TRANSMIT ATTRIBUTE DATA TO MOBILE TERMINAL

S224: IS SELECTION OF ATTRIBUTE CHANGE COMMAND RECEIVED?

S226: TRANSMIT TRANSMISSION REQUEST FOR ATTRIBUTE DATA TO MOBILE
TERMINAL

S228: IS ATTRIBUTE DATA RECEIVED?

S230: TRANSMIT ATTRIBUTE CHANGE COMMAND AND ATTRIBUTE DATA TO PRINTER

FIG. 6

S300: IS PRINTER REGISTRATION REQUEST RECEIVED?

S302: OBTAIN MOBILE TERMINAL POSITION INFORMATION

S304: TRANSMIT TRANSMISSION REQUEST FOR CONTROL COMMAND LIST

S306: IS CONTROL COMMAND LIST RECEIVED?

S308: REGISTER PRINTER BY MAKING PRINTER CORRESPOND TO MOBILE TERMINAL
POSITION INFORMATION AND CONTROL COMMAND LIST

BEST AVAILABLE COPY

F006634

- 4 -

FIG. 7

S400: TRANSMIT RESPONSE REQUEST TO PRINTERS

S402: IS RESPONSE RECEIVED?

S404: TIME-OUT?

S406: SEARCH FOR MOBILE TERMINAL NEAR PRINTER

S408: TRANSMIT PRINTER-PRESENCE CONFIRMATION REQUEST TO MOBILE TERMINAL

S410: IS PRESENCE CONFIRMATION RECEIVED?

S412: TIME-OUT?

S414: ~~DEREGISTER~~ Clear the registration of PRINTER